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FILE COVERS 1969 TO DATE.  
CAS REGISTRY NUMBERS AND CHEMICAL NAMES (CNs) PRESENT  
FROM JANUARY 1969 TO DATE.

RECORDS LAST ADDED: 31 October 2001 (20011031/ED)

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=> s beta-galactosidase and Lactobacillus  
539243 BETA  
321 BETAS  
539317 BETA  
(BETA OR BETAS)  
19649 GALACTOSIDASE  
622 GALACTOSIDASES  
19858 GALACTOSIDASE  
(GALACTOSIDASE OR GALACTOSIDASES)  
16793 BETA-GALACTOSIDASE  
(BETA(W) GALACTOSIDASE)  
13561 LACTOBACILLUS  
3341 LACTOBACILLI  
11 LACTOBACILLIS  
15254 LACTOBACILLUS  
(LACTOBACILLUS OR LACTOBACILLI OR LACTOBACILLIS)  
L1 183 BETA-GALACTOSIDASE AND LACTOBACILLUS

=> s l1 and marker gene  
124331 MARKER  
100154 MARKERS  
200157 MARKER  
(MARKER OR MARKERS)  
659096 GENE  
233969 GENES  
739429 GENE  
(GENE OR GENES)  
2859 MARKER GENE  
(MARKER(W) GENE)  
L2 0 L1 AND MARKER GENE

=> s l1 and selectable  
2841 SELECTABLE  
L3 0 L1 AND SELECTABLE

=> d l1 1-50 ti

L1 ANSWER 1 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Efficient system for directed integration into the **Lactobacillus**  
acidophilus and **Lactobacillus** gasseri chromosomes via homologous  
recombination.  
L1 ANSWER 2 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Utilisation of galacto-oligosaccharides as selective substrates for growth  
by lactic acid bacteria including Bifidobacterium lactis DR10 and

**Lactobacillus rhamnosus DR20.**

L1 ANSWER 3 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI The functional *ccpA* gene is required for carbon catabolite repression in **Lactobacillus plantarum**.

L1 ANSWER 4 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Natural exopolysaccharides enhance survival of lactic acid bacteria in frozen dairy desserts.

L1 ANSWER 5 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Modulation of the intestinal ecosystem by probiotics and lactulose in children during treatment with ceftriaxone.

L1 ANSWER 6 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Contribution of the phosphoenolpyruvate:mannose phosphotransferase system to carbon catabolite repression in **Lactobacillus pentosus**.

L1 ANSWER 7 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Microbiological and biochemical properties of Canestrato Pugliese hard cheese supplemented with bifidobacteria.

L1 ANSWER 8 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Use of chemical mutagenesis for the isolation of food grade **beta-galactosidase** overproducing mutants of bifidobacteria, **Lactobacilli** and *Streptococcus thermophilus*.

L1 ANSWER 9 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Stability and activity of **beta-galactosidase** in sonicated cultures of **Lactobacillus delbrueckii** ssp. *bulgaricus* 11842 as affected by temperature and ionic environments.

L1 ANSWER 10 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Development of genetic tools for **Lactobacillus sakei**: Disruption of the **beta-galactosidase** gene and use of *lacZ* as a reporter gene to study regulation of the putative copper ATPase, *AtkB*.

L1 ANSWER 11 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Isolation and characterization of **beta-galactosidase** from **Lactobacillus crispatus**.

L1 ANSWER 12 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Lactose hydrolysis using a disrupted dairy culture: Evaluation of technical and economical feasibility.

L1 ANSWER 13 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI *Salmonella enteritidis* *hilA* gene fusion response after incubation in spent media from either *S. enteritidis* or a poultry **Lactobacillus** strain.

L1 ANSWER 14 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Nucleotide sequence, expression and transcriptional analysis of the *Bifidobacterium longum* MB 219 *lacZ* gene.

L1 ANSWER 15 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Characterization of natural isolates of **Lactobacillus** strains to be used as starter cultures in dairy fermentation.

L1 ANSWER 16 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Influence of a symbiotic mixture consisting of **Lactobacillus acidophilus** 74-2 and a fructooligosaccharide preparation on the microbial ecology sustained in a simulation of the human intestinal microbial

ecosystem (SHIME reactor.

L1 ANSWER 17 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Duplication of the **beta-galactosidase** gene in some **Lactobacillus** plantarum strains.

L1 ANSWER 18 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Elements involved in catabolite repression and substrate induction of the lactose operon in **Lactobacillus** casei.

L1 ANSWER 19 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Production of transgalactosylated oligosaccharides (TOS) by galactosyltransferase activity from *Penicillium simplicissimum*.

L1 ANSWER 20 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Molecular cloning and sequencing of two phospho-**beta-galactosidase** I and II genes of **Lactobacillus** gasseri JCM1031 isolated from human intestine.

L1 ANSWER 21 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI A randomized trial of **Lactobacillus** acidophilus BG2FO4 to treat lactose intolerance.

L1 ANSWER 22 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Acid and bile resistance of *Bifidobacterium* spp., **Lactobacillus** bulgaricus and *Streptococcus* salivarius subspecies *thermophilus* and their **beta-galactosidase** activities.

L1 ANSWER 23 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Temperature adaptation and cryotolerance in **Lactobacillus** acidophilus.

L1 ANSWER 24 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Growth of a human intestinal *Desulfovibrio* *desulfuricans* in continuous cultures containing defined populations of saccharolytic and amino acid fermenting bacteria.

L1 ANSWER 25 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Survival rate and enzyme activities of **Lactobacillus** acidophilus following frozen storage.

L1 ANSWER 26 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Utilization of ultrafiltration permeate for production of **beta-galactosidase** from **Lactobacillus** bulgaricus.

L1 ANSWER 27 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Lactose and galactose uptake by genetically engineered *Pediococcus* species.

L1 ANSWER 28 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Permeabilization of *Streptococcus* *thermophilus* and **Lactobacillus** *delbrueckii* subsp. *bulgaricus* with ethanol.

L1 ANSWER 29 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Selection of **Lactobacillus** acidophilus strains for use as dietary adjuncts in cultured dairy products.

L1 ANSWER 30 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS  
TI Management of lactose maldigestion by consuming milk containing **lactobacilli**.

L1 ANSWER 31 OF 183 BIOSIS COPYRIGHT 2001 BIOSIS